OpenVMS VAX Version 6.1 Release Notes Addendum

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This document describes features, changes, restrictions, layered product support, and documentation corrections for the OpenVMS VAX Version 6.1 operating system. This document supplements the *OpenVMS VAX Version 6.1 Release Notes*.

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Preface

This manual describes features, changes, restrictions, layered product support, and documentation corrections for OpenVMS VAX Version 6.1. These notes supplement the *OpenVMS VAX Version 6.1 Release Notes* manual.

Intended Audience

This manual is intended for all users of the OpenVMS VAX Version 6.1 operating system.

Document Structure

This document has three chapters and an index:

- Chapter 1 contains release notes that supplement the *OpenVMS VAX Version 6.1 Release Notes* manual.
- Chapter 2 contains tables that summarize layered product support for OpenVMS VAX Version 6.1. The tables also identify which layered products work with DECnet/OSI synonyms and full names.
- Chapter 3 describes remedial kits that are available for the OpenVMS VAX operating system.

Conventions

In this manual, every use of OpenVMS VAX means the OpenVMS VAX operating system, every use of OpenVMS AXP means the OpenVMS AXP operating system.

The following conventions are also used in this manual:

Ctrl/*x*	A sequence such as Ctrl/*x* indicates that you must hold down the key labeled Ctrl while you press another key or a pointing device button.
[ ]	In command format descriptions, brackets enclose optional elements.
boldface text	Boldface text represents the introduction of a new term or the name of an argument.
italic text	Italic text emphasizes important information and indicates complete titles of manuals. Variables include information that varies in command lines (/SIZE=*size*)) and in command parameters in text (where *device-name* contains up to five alphanumeric characters).
UPPERCASE TEXT	Uppercase text indicates a command, the name of a routine, the name of a file, or the abbreviation for a system privilege.
numbers	All numbers in text are assumed to be decimal unless otherwise noted. Nondecimal radixes—binary, octal, or hexadecimal—are explicitly indicated.

1
Release Notes

The following release notes supplement the *OpenVMS VAX Version 6.1 Release Notes* manual.

1.1 Caution: Check AGEN$INCLUDE Files Before Upgrading

During an upgrade, user disks are not mounted and SYLOGICALS.COM *is not* invoked, so AUTOGEN can access only data files that are on the system disk and whose file specification includes a logical name that is shipped as part of the OpenVMS operating system. Therefore, if you use AGEN$INCLUDE in SYS$SYSTEM:MODPARAMS.DAT to point to data files that are not on the system disk, take these steps before you perform an upgrade:

1. Copy any files that you want AUTOGEN to include to a directory on the system disk.
2. For each file that you move, change the file specification on the AGEN$INCLUDE line in SYS$SYSTEM:MODPARAMS.DAT to point to the new location of the file on the system disk.

If you do not move referenced data files to the system disk, AUTOGEN uses whatever information is available during the upgrade and parameters might be set to values considerably different from what you intend.

Digital also recommends that you run AUTOGEN before the upgrade and use the SAVPARAMS phase to save feedback information while the system or cluster is running at typical workload levels. For more information, refer to the *OpenVMS VAX Version 6.1 Upgrade and Installation Manual*.

1.2 ANALYZE/IMAGE Restriction

The OpenVMS VAX Version 6.1 ANALYZE/IMAGE command cannot analyze an OpenVMS AXP image.

1.3 Change to Backup Utility Response Options

OVERWRITE is no longer a valid response to the Backup utility's UNEXPIRED message. As stated in the new response query, the only valid response is now QUIT or NEW.

1.4 Standalone BACKUP on Systems With Less Than 5 Megabytes of Memory

A system configured with less than 5 megabytes of memory can hang when using Standalone BACKUP Version 6.1 or Version 6.0 to back up a Version 6.1 system disk. (This problem does not occur during a restore operation.)

You can avoid this problem by doing one of the following:

- Boot Standalone BACKUP from disk instead of from tape when you do system disk save operations.
- Use the menu-driven command procedure on the OpenVMS VAX distribution compact disc. For details, refer to the *OpenVMS System Manager's Manual*.
- Use Standalone BACKUP Version V5.5–2 to back up the system disk.
- Increase memory size to 5 megabytes.

1.5 Creating DECdtm Transaction Logs in a DECnet/OSI Network

If your VMScluster operates in a DECnet/OSI network and you use DECdtm services, you must include a node's SCSNODE name in the name of the transaction log for that node. A node's SCSNODE name is defined by the SCSNODE system parameter. For more information about SCSNODE names, refer to the *OpenVMS VAX Version 6.1 Release Notes*.

To create a transaction log for a node, use the LMCP command CREATE LOG:

CREATE LOG [/SIZE=size] dirspecSYSTEM$node.LM$JOURNAL

where:

size	is the size of the transaction log in blocks.
dirspec	is the full specification of the directory in which you want to create the transaction log.
node	is the SCSNODE name of the node.

Example

The following sequence shows how to create a transaction log for a node with SCSNODE name BLUE. The node is in a VMScluster and does not have a node-specific version of the SYLOGICALS.COM command procedure.

1. Decide the size and location of the transaction log:

Node	Size of Log	Disk
BLUE	5000	DUA1

2. Mount the disk clusterwide:

```
$ MOUNT/CLUSTER/SYSTEM DUA1: LOG1
```

3. Create a directory for the transaction log:

```
$ CREATE/DIRECTORY DISK$LOG1:[LOGFILES]
```

4. Define SYS$JOURNAL:

```
$ RUN SYS$SYSTEM:SYSMAN
SYSMAN> SET ENVIRONMENT/CLUSTER
SYSMAN> DO DEFINE/SYSTEM/EXECUTIVE SYS$JOURNAL DISK$LOG1:[LOGFILES]
SYSMAN> EXIT
```

5. Edit the SYS$STARTUP:SYLOGICALS.COM command procedure to include the following line:

```
$ DEFINE/SYSTEM/EXECUTIVE SYS$JOURNAL DISK$LOG1:[LOGFILES]
```

6. Create the transaction log:

```
$ RUN SYS$SYSTEM:LMCP
LMCP> CREATE LOG/SIZE=5000 DISK$LOG1:[LOGFILES]SYSTEM$BLUE.LM$JOURNAL
LMCP> EXIT
```

7. Make sure DECdtm services is enabled:

```
$ SHOW LOGICAL SYS$DECDTM_INHIBIT
%SHOW-S-NOTRAN, no translation for logical name SYS$DECDTM_INHIBIT
```

   SYS$DECDTM_INHIBIT is undefined, indicating that DECdtm services is enabled.

For more information about transaction logs, refer to the *OpenVMS System Manager's Manual*.

1.6 ECO3 for DECnet/OSI Version 5.7 Systems

If you want to run DECnet/OSI on OpenVMS VAX Version 6.1, you must run DECnet/OSI Version 5.7. To determine which version of DECnet/OSI you are running, enter the following NCL command to check the version number:

```
NCL> SHOW IMPLEMENTATION
```

When you run DECnet/OSI Version 5.7 on OpenVMS VAX Version 6.1, Digital recommends that you install the DECnet/OSI ECO3 kit, available from your Digital support representative. ECO3 supersedes ECO2.

The ECO3 kit contains corrections for the following executable images:

- NET$DRIVER.EXE and NET$OSDRIVER.EXE:

  Fixes a system crash that could be caused by an ACPCONTROL Show Asynchronous QIO.

- NET$MOP.EXE:
  - Corrects shared data structures in cluster loads so that the cluster root is always correctly accessed.
  - Implements a MOP VCRP receive limit for pool VCRPs to prevent memory depletion.
- NET$ROUTING_ES.EXE:
  - Fixes improper buffer size negotiation on connections with Phase IV nodes.
  - Reenables the circuit after the LAN driver reports a device restart failure.
  - Corrects the display of the same router as both a Phase IV and a Phase V adjacency.
- NET$TRANSPORT_OSI.EXE:
  - Fixes hung class 2 transport connections that could be caused by the incorrect initialization of the OSI transport class 2 transmit quota.
  - Fixes a system crash that could be caused by a race condition between the "Wait for reassignment" logic and the cleanup logic of an OSI transport class 4 connection.

- SYS$NETWORK_SERVICES.EXE:
  - Fixes a problem where inbound connects hang and are no longer processed.
  - Updates the ECO number in the DECnet version 050303.
- OSIF$RENAME.EXE:

  Fixes DECnet/OSI application FTAM Rename.

To install the ECO3 kit, enter the following command from the SYSTEM account:

```
$ @SYS$UPDATE:VMSINSTAL DNVOSI_ECO03057
```

The installation does not purge any new or modified files.

For the corrections to take effect, the system must be rebooted after you install the kit. If your system is a cluster member, the entire cluster must be rebooted.

Full details about these corrections are included in the ECO3 release notes. To extract a copy of the ECO3 release notes from the save set before installation, enter the following DCL command:

```
$ BACKUP DNVOSI_ECO03057.A/SAVE/SELECT=DNVOSI_ECO03057.RELEASE_NOTES
_To: DNVOSI_ECO03057.RELEASE_NOTES
```

1.7 Enhanced Support for Debugging Multiprocessing Programs

In OpenVMS VAX Version 6.1, the debugger includes added support for debugging multiprocessing programs:

- The new /GROUP qualifier for the DCL command DEFINE DBG$PROCESS allows you to connect to any process created by anyone in your user identification code (UIC) group when you establish a multiprocessing debugging configuration. This qualifier can be used in place of the more restrictive /JOB qualifier.
- The new /KEEP qualifier for the DCL command DEBUG is now preferred over using the RUN command to access the debugger for multiprocessing programs. See online help or the *OpenVMS VAX Version 6.1 Release Notes* for details about the DEBUG command.

In addition, an enhanced CONNECT command and a new DISCONNECT command allow you to debug multiprocessing programs that conform to a client/server model. In this model, the user, or client, initiates connection to the server, which processes client requests. The server spawns threads to handle programming tasks. On VAX processors, a client/server model must be implemented on a single machine.

The tasks required to execute a debugging session in the client/server multiprocessing model are described in the following list. Remember to issue all debugger multiprocessing commands, including the command to create your debugging process, from the debugger's command-line interface or command-entry prompt. Multiprocessing commands do not have mouse action equivalents.

1. Establish a multiprocessing debugging configuration by defining DBG$PROCESS MULTIPROCESS. Use the /GROUP qualifier to specify that both processes were created within the same UIC group:

   ```
   $ DEFINE/GROUP DBG$PROCESS MULTIPROCESS
   ```

2. Invoke the debugger:

   ```
   $ DEBUG/KEEP
   ```

3. Issue the CONNECT command in either of the following ways:

   - Without parameters to connect a process spawned from your current debugging session.
   - With a process specification parameter to interrupt an image running without debugger control. For example:

     ```
     DBG> CONNECT JONES_3
     ```

4. Use any of the debugger's multiprocess-related commands to manipulate, examine, or broadcast other debugger commands to processes.
5. When you finish debugging your program, enter the DISCONNECT command with a process specification as shown in the following example:

   ```
   DBG> DISCONNECT JONES_3
   ```

   This command releases the process from debugger control without terminating the process.

   Unexpected results can occur if you issue the DISCONNECT command without following the previous steps exactly as stated. For example, if you initiate your debugging session with a command other than DEBUG/KEEP, a DISCONNECT command can delete your main debugger image, your program image, or both. If you initiate your connection with a command other than CONNECT, a DISCONNECT command can delete other processes.

   Unexpected results can also occur if you do not execute the DISCONNECT command before exiting the debugger. A process initiated without debugger control continues to run even after you exit the debugging session. Until you issue an explicit DISCONNECT command, the process behaves as if a connection still exists, and may attempt to complete tasks and transfer data.
6. Enter EXIT or QUIT when you want to end the entire debugging session.

1.8 F$GETDVI Item Addition

The DEVICE_TYPE_NAME item has been added to the F$GETDVI lexical function. DEVICE_TYPE_NAME returns a string indicating the name of the device type.

1.9 LASTport Transport Systems Require Ethernet Device Termination

On OpenVMS VAX systems running the LASTport transport, all Ethernet devices must be terminated, either by attaching the devices to an active network or by using an appropriate terminator. Failure to terminate the devices causes a system crash.

1.10 SYSPRV Privilege Required to Access Proxy Database

System managers must add the SYSPRV privilege to any user accounts that use the Authorize utility or the proxy system services ($ADD_PROXY, $DELETE_PROXY, $DISPLAY_PROXY, and $SHOW_PROXY).

1.11 VMScluster Configuration Support

OpenVMS VAX Version 6.1 provides two levels of support for mixed-version and mixed-architecture VMScluster systems: **warranted** support and **migration** support.

Warranted support means that Digital has fully qualified the two versions to coexist in a VMScluster system and will answer all problems identified by customers using these configurations. Warranted support is provided for several pairs of OpenVMS VAX and OpenVMS AXP versions. (See Table 1–1.)

Migration support means that Digital has qualified the versions for use together in configurations that are migrating in stages to a newer version of the OpenVMS VAX or OpenVMS AXP operating system.

Migration support is a superset of the rolling upgrade support provided in earlier releases of the OpenVMS system and is available for pairs that are not warranted. Problem reports submitted against these configurations will be answered by Digital. However, in exceptional cases Digital may request that you move to a warranted configuration to correct the problem. Migration support will help customers move to warranted VMScluster version pairs with minimal impact on their cluster environments.

Table 1–1 shows the level of support provided for all possible version pairings. To find the level of support for a version pair, select one version in the top row and read down the column below it until you intersect with the line for another version listed in the left column.

Table 1–1 Support Levels for Mixed Version Pairs in VMScluster Systems

Versions	AXP V6.1	VAX V6.1	VAX V6.0	AXP V1.5
VAX V5.5–2	Migration	Migration	Migration	**Warranted**
AXP V1.5	Migration	Migration	**Warranted**	–
VAX V6.0	Migration	Migration	–	–
VAX V6.1	**Warranted**	–	–	–

In many cases, more than two versions will successfully operate in a VMScluster system, but Digital cannot commit to resolving problems with such configurations.

For more VMScluster information, see the documentation listed in Table 1–2.

Table 1–2 VMScluster Documentation Sources

Topic	Documentation
Configuration rules and restrictions	Software Product Description of VMScluster Software for OpenVMS VAX and OpenVMS AXP and the *OpenVMS AXP Version 6.1 Release Notes*
Configuration guidelines	*Guidelines for VMScluster Configurations* and the *OpenVMS AXP Version 6.1 Release Notes*
Differences between managing VAXclusters and VMSclusters	*A Comparison of System Management on OpenVMS AXP and OpenVMS VAX*
All other VMScluster information	*VMScluster Systems for OpenVMS* and the *OpenVMS AXP Version 6.1 Release Notes*

1.12 OpenVMS Volume Shadowing Per Disk Licensing Available

Per disk licensing is now available in OpenVMS Volume Shadowing for VAX computers. Formerly, per disk licensing was available only on AXP computers.

A per disk license enables you to license each disk that you plan to include in a shadow set. This option might be more cost effective in a cluster where you intend to shadow only a small number of disks.

Traditional, capacity (per CPU) licenses may be more appropriate if you have larger systems with many more disks to shadow. This option is also available on both AXP and VAX computers.

Information about the availability of per disk licenses on VAX computers was omitted from *Volume Shadowing for OpenVMS*.

1.13 Documentation Corrections

The following sections describe corrections to OpenVMS manuals.

1.13.1 Command to Create a Device Control Library

Chapter 13, Section 13.9.5.1, of the *OpenVMS System Manager's Manual: Essentials*, Version 6.1, describes how to create a device control library. The LIBRARY command in Step 1 is incorrect. The correct syntax for the command is as follows:

LIBRARY/CREATE/TEXT SYS$COMMON:[SYSLIB]*filename*.TLB

1.13.2 $CREATE_USER_PROFILE System Service

The following corrections apply to the description of the $CREATE_USER_PROFILE system service in the *OpenVMS System Services Reference Manual*:

- The **usrpro** argument is passed by descriptor, not by reference.
- The **usrprolen** argument has read/write access, not write-only access.
- The description of the CHP$_ADDRIGHTS item code is incorrect. It should read as follows:

  CHP$_ADDRIGHTS
  A rights list segment containing additional identifiers to be appended to the set of identifiers held by the user. A rights list segment is a list of quadword identifier/attributes pairs, each containing a longword identifier value, followed by a longword mask identifying the attributes of the holder. The **buflen** argument should be set to the total size, in bytes, of the rights list segment. The **bufadr** argument points to a descriptor that points to the first byte in the rights list segment (that is, the first byte of the first identifier value).

  This item code can be repeated to add up to 256 additional rights list segments. If more than 256 identifiers are granted to the user, $CREATE_USER_PROFILE returns SS$_INSFMEM.

1.13.3 $GETQUI System Service

The **context** argument to the $GETQUI system service is documented incorrectly in the *OpenVMS System Services Reference Manual*.

The documentation says the **context** argument has read only access and is passed by value. In fact, the **context** argument has modify access and is passed by reference.

1.13.4 Correction to New Features List

The list in Section 2.2.1 of the *OpenVMS VAX Version 6.1 New Features Manual* should be corrected as follows:

- Delete SET PROTECTION/DEFAULT.
- Replace the SET SECURITY entry with the following:

  SET SECURITY (replaces SET ACL, SET PROTECTION,
  and SET PROTECTION/DEVICE)

1.13.5 Correction to *OpenVMS System Management Utilities Reference Manual: A–L*

In the *OpenVMS System Management Utilities Reference Manual: A–L*, the caption Qualifiers is missing from the DEFAULT command on page 5-27 and from the MODIFY command on page 5-35. A qualifer was also inadvertently omitted for the MODIFY command.

In the description of both commands, the last sentence under the Parameter caption is:

See the qualifiers listed under the ADD command.

The caption Qualifiers should precede this sentence. The text for the DEFAULT command should appear as follows:

Qualifiers

See the qualifiers listed for the ADD command.

The text for the MODIFY command should appear as follows:

Qualifiers

/MODIFY_IDENTIFIER (default)
/NOMODIFY_IDENTIFIER

Specifies whether the identifier associated with the user is to be modified in the rights database. This qualifier applies only when you modify the UIC or user name in the UAF record. By default, the associated identifiers are modified.

Also see the qualifiers listed for the ADD command.

1.13.6 DECW$XPORT_SYNC_TIMEOUT Correction

The definition of parameter DECW$XPORT_SYNC_TIMEOUT in Table 5–1 of the *OpenVMS VAX Version 6.1 New Features Manual* is incorrect. The correct definition is as follows:

Parameter	Description	Default
Transport Setup		
DECW$XPORT_SYNC_TIMEOUT	Defines the transport timeout value (in milliseconds). If the client does not take action to empty its buffers before the timeout, the server disconnects the client.	30000

1.13.7 ERRFMT Clarification

Section 3.2 of the *OpenVMS VAX Version 6.1 New Features Manual* implies that you can define the system logical names ERRFMT$_SEND_MAIL and ERRFMT$_SEND_TO in the SYS$STARTUP.VMS$CONFIG-050_ERRFMT.COM file. However, logical names defined in this file will be lost at the next upgrade when the system defaults are reapplied. If you want to override the system definitions with system-specific defaults for these logical names, refer to the *OpenVMS System Manager's Manual* for the proper way to do this.

1.13.8 RENAME Command /INHERIT_SECURITY Qualifier

The description of the /INHERIT_SECURITY qualifier in the *OpenVMS DCL Dictionary* should be revised as follows:

/INHERIT_SECURITY
/NOINHERIT_SECURITY (default)
Controls whether the security profile (UIC, protection code, and ACL) of the renamed file is altered. If you specify /INHERIT_SECURITY, a new security profile is generated, as if a new file had been created with the new file and directory names. See the *OpenVMS Guide to System Security* or online help (Hints topic) for a description of how a profile is assigned.

1.13.9 SET DEVICE/SERVED Clarification

In the description of the SET DEVICE/SERVED command in the *OpenVMS DCL Dictionary*, the information in the note would be more accurately expressed as follows:

The DCL command SET DEVICE/SERVED cannot be used under the following conditions:

- In service of a Phase II shadow set virtual unit
- On devices that are already mounted
- On system disks
- On quorum disks

1.13.10 OpenVMS Volume Shadowing Parameters

Two volume shadowing parameters, SHADOW_REMOVE_1 and SHADOW_REMOVE_2, were inadvertently omitted from the *Volume Shadowing for OpenVMS* manual. These parameters are reserved for use by OpenVMS Engineering.

2

Layered Product Support for OpenVMS VAX Version 6.1

This chapter provides information about layered products that are compatible with OpenVMS VAX Version 6.1.

Most layered products that worked in an OpenVMS VAX Version 6.0 environment running DECnet for OpenVMS VAX (DECnet Phase IV) will also work in an OpenVMS VAX Version 6.1 environment running DECnet for OpenVMS VAX. Many of these layered products will also work in a DECnet/OSI synonyms environment. Implementation of DECnet/OSI full names (DECnet/OSI without synonyms) in OpenVMS VAX Version 6.1 requires a new release of some layered products.

Regardless of DECnet environment, the following layered products perform a version check at installation and require these new versions for installation on OpenVMS VAX Version 6.1:

- DECtrace for OpenVMS (Version 2.1)
- NAS products (Version 5.0)
- Storage Library System (SLS) for OpenVMS (Version 2.4)

Tables in this chapter list layered products that support or will soon support OpenVMS VAX Version 6.1. Checkmarks ($\surd$) indicate the DECnet environments supported by each layered product. Support categories are abbreviated in the tables as Ph. IV (DECnet Phase IV), Syn (DECnet/OSI synonyms), and Full (DECnet/OSI full names).

Table 2–1 lists layered products compatible with OpenVMS VAX Version 6.1 that will be available at the same time as or shortly following the release of OpenVMS VAX Version 6.1.

Table 2–2 lists layered products compatible with OpenVMS VAX Version 6.1 that are planned for release after May 1994.

Information in these tables is continually evolving and is subject to change. Digital now regularly compiles an OpenVMS VAX Layered Product Public Rollout Schedule. For the most current information about OpenVMS VAX layered products, please contact your Digital sales representative.

Table 2–1 Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support			
		Ph. IV	Syn	Full	
ACMS DESKtop	2.0 †	√	√		
ALL–IN–1 DESKtop Server for VMS	1.2	√	√		
ALL–IN–1 Integrated Office System Server for VMS	3.0	√	√		
ALL–IN–1 IOS TeamLinks Connection for OpenVMS VAX	3.0A	√	√		
ALL–IN–1 Personal Assistant for OpenVMS	1.1	√	√		
ALL–IN–1 Starter Server for OpenVMS	3.0	√	√		
ALL–IN–1 Starter/British Server for OpenVMS	3.0	√	√		
ALL–IN–1 Starter/Deutsch Server for OpenVMS	3.0	√	√		
ALL–IN–1 Starter/Français Server for OpenVMS	3.0	√	√		
ALL–IN–1/British Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Dansk Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Deutsch Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Español Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Français Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Hebrew Integrated Office System Server for VMS	3.0	√	√		
ALL–IN–1/Italiano Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Japanese Integrated Office System Server for VMS	3.0, 3.0A	√	√		
ALL–IN–1/Nederlands Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Norsk Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Portugûes Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Suomi Integrated Office System Server for VMS	3.0, 3.0B	√	√		
ALL–IN–1/Svenska Integrated Office System Server for VMS	3.0, 3.0B	√	√		
BASEstar Classic (Development)	3.2	√			
BASEstar Classic (Run-Time)	3.2	√			
Backup Manager for OpenVMS VAX	1.0 †	√			
CDD/Administrator for OpenVMS Systems	1.2	√			
CDD/Repository for OpenVMS Systems	5.3A	√			
DEC @ a Glance for VMS (Client Run-Time)	1.0	√			
DEC @ a Glance for VMS (Development)	1.0	√			
DEC @ a Glance for VMS (Server Run-Time)	1.0	√			
DEC Ada for OpenVMS VAX Systems	3.0, 3.0A	√	√		
DEC Ada for OpenVMS VAX Systems (Professional Development Option)	3.0, 3.0A	√			
DEC C	4.0 †	√	√	√	
DEC C++ for OpenVMS VAX	1.2	√	√	√	
DEC Code Management System (CMS) for OpenVMS VAX Systems	3.6	√			
DEC COMMserver for VMS	2.0	√			

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
DEC Computer Integrated Telephony Application Interface for OpenVMS	3.0A	√		
DEC DATATRIEVE for OpenVMS VAX	6.1A	√	√	
DEC DATATRIEVE/Japanese for OpenVMS VAX	6.1	√	√	
DEC DB Integrator Gateway for Custom Drivers for OpenVMS VAX	3.0	√	√	
DEC DB Integrator Gateway for DB2 for OpenVMS VAX	3.0	√		
DEC DB Integrator Gateway for DBMS for OpenVMS VAX	1.0	√	√	
DEC DB Integrator Gateway for ORACLE for OpenVMS VAX	3.0	√		
DEC DB Integrator Gateway for RMS for OpenVMS VAX	3.0	√	√	
DEC DB Integrator Gateway for SYBASE for OpenVMS VAX	1.0	√		
DEC DBMS (Development)	5.1, 5.1A, 6.0	√	√	
DEC DBMS (Run-Time)	5.1, 5.1A, 6.0	√	√	
DEC Distributed File Service for OpenVMS VAX	2.0	√	√	√
DEC Distributed Name Service (DNS)	1.1A	√	√	√
DEC EDI	1.3A	√	√	
DEC Fortran for OpenVMS	6.1, 6.2 †	√	√	√
DEC GKS for OpenVMS VAX (Development)	5.2	√	√	√
DEC GKS for OpenVMS VAX (Run-Time)	5.2	√	√	√
DEC GKS/Japanese for VMS/Japanese (Development)	5.2	√	√	√
DEC GKS/Japanese for VMS/Japanese (Run-Time)	5.2	√	√	√
DEC Graphical Schema Editor (GSE) for OpenVMS VAX Systems	2.1, 2.1A	√	√	√
DEC High Availability Management Software for VMS	1.3	√		
DEC InstantSQL for OpenVMS	2.1, 2.1A	√	√	√
DEC Language-Sensitive Editor/Source Code Analyzer (LSE/SCA) for OpenVMS VAX Systems	4.2	√		
DEC LMF PAK Generator	1.3	√	√	√
DEC Module Management System (MMS) for OpenVMS VAX Systems	2.7	√		
DEC Notes for OpenVMS VAX	2.5	√	√	
DEC OPS5	4.0A	√	√	√
DEC Optical Storage Desktop Software (OSDS) for OpenVMS	3.2 †	√	√	√
DEC Optical Storage Management Software (OSMS) for OpenVMS	3.2 †	√	√	√
DEC Pascal	5.0	√	√	√
DEC Performance and Coverage Analyzer (PCA) for OpenVMS VAX Systems	4.2	√		
DEC PHIGS for OpenVMS VAX (Development)	2.4A, 2.5	√	√	√
DEC PHIGS for OpenVMS VAX (Run-Time)	2.4A, 2.5	√	√	√
DEC PHIGS/Japanese for OpenVMS/Japanese (Development)	2.4A	√	√	√
DEC PHIGS/Japanese for OpenVMS/Japanese (Run-Time)	2.4A	√	√	√
DEC RALLY for OpenVMS VAX (Development)	3.2	√		

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
DEC RALLY for OpenVMS VAX (Development)	4.0 †	√	√	√
DEC RALLY for OpenVMS VAX (Run-Time)	3.2	√		
DEC RALLY for OpenVMS VAX (Run-Time)	4.0 †	√	√	√
DEC Rdb for OpenVMS VAX (Full Development)	4.0C, 4.1A, 4.2A, 5.1	√		
DEC Rdb for OpenVMS VAX (Full Development)	6.0	√	√	
DEC Rdb for OpenVMS VAX (Interactive)	4.0C, 4.1A, 4.2A, 5.1	√		
DEC Rdb for OpenVMS VAX (Interactive)	6.0	√	√	
DEC Rdb for OpenVMS VAX (Run-Time)	4.0C, 4.1A, 4.2A, 5.1	√		
DEC Rdb for OpenVMS VAX (Run-Time)	6.0	√	√	
DEC Rdb/Hangul for OpenVMS/Hangul VAX (Full Development)	5.1	√		
DEC Rdb/Hangul for OpenVMS/Hangul VAX (Interactive)	5.1	√		
DEC Rdb/Hangul for OpenVMS/Hangul VAX (Run-Time)	5.1	√		
DEC Rdb/Hanyu for OpenVMS/Hanyu VAX (Full Development)	5.1	√		
DEC Rdb/Hanyu for OpenVMS/Hanyu VAX (Interactive)	5.1	√		
DEC Rdb/Hanyu for OpenVMS/Hanyu VAX (Run-Time)	5.1	√		
DEC Rdb/Hanzi for OpenVMS/Hanzi VAX (Full Development)	5.1	√		
DEC Rdb/Hanzi for OpenVMS/Hanzi VAX (Interactive)	5.1	√		
DEC Rdb/Hanzi for OpenVMS/Hanzi VAX (Run-Time)	5.1	√		
DEC Rdb/Japanese for OpenVMS/Japanese VAX (Full Development)	5.1	√		
DEC Rdb/Japanese for OpenVMS/Japanese VAX (Interactive)	5.1	√		
DEC Rdb/Japanese for OpenVMS/Japanese VAX (Run-Time)	5.1	√		
DEC RdbExpert for OpenVMS VAX	2.1, 2.1A	√	√	√
DEC Reliable Transaction Router (RTR) for OpenVMS (Client)	2.2	√	√	
DEC Reliable Transaction Router (RTR) for OpenVMS (Server)	2.2	√	√	
DEC SERdb for Security-Enhanced VMS	6.0	√	√	
DEC SNA 3270 Application Services	1.0	√	√	
DEC SNA 3270 Application Services	1.1	√		
DEC SNA Domain Gateway	1.1	√	√	
DEC SecurityGate for VMS	1.1	√		
DEC SoftPC for VMS	4.0	√		
DEC TCP/IP Services for OpenVMS	2.0D, 2.0E, 3.0	√	√	√
DEC TCP/IP/Japanese for OpenVMS/Japanese	2.0D	√	√	√
DEC Test Manager for OpenVMS VAX Systems	3.5	√		
DEC X.500 Directory Services	1.3 †		√	√
DECADMIRE for OpenVMS	2.0 †	√	√	√

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
DECamds	2.0 §	√	√	√
DECforms (Development)	1.4, 2.0 †	√	√	√
DECforms (Run-Time)	1.4, 2.0 †	√	√	√
DECforms/Japanese (Development)	1.4	√	√	√
DECforms/Japanese (Run-Time)	1.4	√	√	√
DECimage Application Services for OpenVMS	3.2	√	√	√
DECimage Express	2.2, 2.2A	√		
DECintact (Development)	2.1	√		
DECintact (Remote-Access)	2.1	√		
DECintact (Run-Time)	2.1	√		
DECnet SNA 3270 Data Stream Programming Interface for OpenVMS	1.4A	√	√	
DECnet SNA 3270 Terminal Emulator for OpenVMS	1.5A	√	√	
DECnet SNA 3270 Terminal Emulator/Japanese for OpenVMS/Japanese	1.5	√		
DECnet SNA APPC/LU6.2 Programming Interface	2.2A	√	√	
DECnet SNA Application Programming Interface for OpenVMS	2.3A	√	√	
DECnet SNA Data Transfer Facility (Server)	3.1A	√	√	
DECnet SNA Data Transfer Facility (Utilities)	3.1A	√	√	
DECnet SNA Gateway for Channel Transport	2.1A, 2.1B	√	√	
DECnet SNA Gateway for Synchronous Transport	1.2A, 1.2B	√	√	
DECnet SNA Printer Emulator for OpenVMS	1.2A	√	√	
DECnet SNA Printer Emulator/Japanese	1.2	√		
DECnet SNA Remote Job Entry for OpenVMS	1.4A	√	√	
DECnet SNA VMS Distributed Host Command Facility (DHCF)	1.2	√	√	
DECnet/OSI	5.7		√	√
DECprint Supervisor for OpenVMS	1.1	√		
DECram for OpenVMS	2.0A	√	√	√
DECset for OpenVMS VAX Systems	11.2	√		
DECtrace for OpenVMS	2.1	√	√	
DECvoice Software	2.3	√	√	√
DECwindows DECnet SNA 3270 Terminal Emulator for OpenVMS	2.0A	√	√	
DECwindows DECnet SNA 3270 Terminal Emulator/Japanese for OpenVMS Japanese	2.0	√		
DECwindows Motif for OpenVMS	1.1	√	√	
DECwindows Motif for OpenVMS	1.2	√	√	√
DECwindows Motif /Hangul for OpenVMS	1.1	√	√	
DECwindows Motif /Hanyu for OpenVMS	1.1	√	√	

§ Product is included as a separate save set on the media that contains the operating system.

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
DECwindows Motif /Hanzi for OpenVMS	1.1	√	√	
DECwindows Motif /Hebrew for OpenVMS	1.1	√	√	
DECwindows Motif /Japanese for OpenVMS	1.1N	√	√	
DECwindows Motif OpenVMS User Interface/Cesky	1.1A	√	√	
DECwindows Motif OpenVMS User Interface/Cesky	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Deutsch	1.1	√	√	
DECwindows Motif OpenVMS User Interface/Deutsch	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Español	1.1	√	√	
DECwindows Motif OpenVMS User Interface/Español	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Français	1.1	√	√	
DECwindows Motif OpenVMS User Interface/Français	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Italiano	1.1	√	√	
DECwindows Motif OpenVMS User Interface/Italiano	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Magyar	1.1A	√	√	
DECwindows Motif OpenVMS User Interface/Magyar	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Polski	1.1A	√	√	
DECwindows Motif OpenVMS User Interface/Polski	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Russkij	1.1A	√	√	
DECwindows Motif OpenVMS User Interface/Russkij	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Slovenski	1.1A	√	√	
DECwindows Motif OpenVMS User Interface/Slovenski	1.2	√	√	√
DECwindows Motif OpenVMS User Interface/Svenska	1.1	√	√	
DECwindows Motif OpenVMS User Interface/Svenska	1.2	√	√	√
DECwrite for OpenVMS	3.0	√	√	√
DECwrite/British for OpenVMS	3.0	√	√	√
Digital Distributed Computing Environment Developers' Kit for OpenVMS VAX (Development)	1.1	√	√	
Digital Distributed Computing Environment Developers' Kit for OpenVMS VAX (Run-Time)	1.1	√	√	
Digital Distributed Computing Environment Cell Directory Server	1.2 †	√		
Digital Distributed Computing Environment Security Server	1.2 †	√		
Digital Extended Math Library for OpenVMS (Development)	2.0A	√	√	√
Digital Extended Math Library for OpenVMS (Run-Time)	2.0A	√	√	√
InfoServer Software	3.1, 3.1A, 3.2	√		
MEP VT for DEC SNA 3270 Application Services	3.0	√		
ObjectBroker	2.5 †	√		
PATHWORKS for OpenVMS	5.0A	√		

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
PATHWORKS for OpenVMS (Netware)	1.0	√		
PATHWORKS DESKtop Backup Server for OpenVMS	1.1G	√		
POLYCENTER Archive/Backup	1.0 †	√		
POLYCENTER File Optimizer	2.0 †	√		
POLYCENTER Hierarchical Storage Management (HSM) for OpenVMS	1.0 †	√		
POLYCENTER Security Compliance Manager for OpenVMS	2.3 †	√	√	
POLYCENTER Security Reporting Facility for OpenVMS	2.1 †	√	√	
POLYCENTER Striping for OpenVMS VAX	2.1	√		
POLYCENTER System Census for OpenVMS	1.1	√		
POLYCENTER System Census Agent for OpenVMS	1.1	√		
POLYCENTER System Census Consolidator for OpenVMS	1.1	√		
POLYCENTER System Census GUI for OpenVMS	1.1	√		
POSIX for OpenVMS VAX	1.2, 1.2A	√		
PrintServer SW	5.0	√		
TeamRoute for ALL–IN–1	1.1	√		
TeamRoute/Dansk for ALL–IN–1	1.1	√		
TeamRoute/Deutsch for ALL–IN–1	1.1	√		
TeamRoute/Español for ALL–IN–1	1.0	√		
TeamRoute/Français for ALL–IN–1	1.1	√		
TeamRoute/Italiano for ALL–IN–1	1.1	√		
TeamRoute/Japanese for ALL–IN–1	1.1A	√		
TeamRoute/Nederland for ALL–IN–1	1.1	√		
TeamRoute/Norsk for ALL–IN–1	1.1	√		
TeamRoute/Suomi for ALL–IN–1	1.1	√		
TeamRoute/Svenska for ALL–IN–1	1.1	√		
TeamRoute for OpenVMS	1.0	√		
TeamRoute/Japanese for OpenVMS	1.0	√		
VAX ACMS	3.3B	√		
VAX BASIC	3.6	√	√	√
VAX C	3.2	√	√	√
VAX COBOL	5.1, 5.2	√	√	√
VAX COBOL/Japanese	5.1	√	√	√
VAX Distributed Queuing Service (DQS)	1.3	√	√	√
VAX Forms Management System (FMS) (Full Development)	2.4	√	√	√
VAX Forms Management System (FMS) (Run-Time)	2.4	√	√	√
VAX FMS/Japanese (Full Development)	2.4	√	√	√

† Product is expected to be available in the May 1994 time frame.

(continued on next page)

Table 2–1 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1

Product	Versions	DECnet Support		
		Ph. IV	Syn	Full
VAX FMS/Japanese (Run-Time)	2.4	√	√	√
VAX Message Router (Base System)	3.3	√	√	
VAX Message Router (Programmer's Kit)	3.3	√	√	
VAX Message Router (VMSmail Gateway)	3.3	√	√	
VAX Message Router/P Gateway	1.3	√	√	
VAX Message Router/S Gateway	1.3	√	√	
VAX TDMS (Full Development)	1.9A	√	√	√
VAX TDMS (Run-Time)	1.9A	√	√	√

Table 2–2 lists OpenVMS VAX Version 6.1 compatible layered products that are planned for release after May 1994. This information is preliminary and subject to change. Consult your Digital sales representative for the latest information about these products.

Table 2–2 Layered Products Available for OpenVMS VAX Version 6.1 After May 1994

Product	Version	Estimated Ship Date	CONDIST [1] Availability	DECnet Support		
				Ph. IV	Syn	Full
BASEstar Open Client for OpenVMS VAX	3.0	Dec 94	Jan–Jun 95	√	√	√
BASEstar Open Server for OpenVMS VAX (Development)	3.0	Dec 94	Jan–Jun 95	√	√	√
BASEstar Open Server for OpenVMS VAX (Run-Time)	3.0	Dec 94	Jan–Jun 95	√	√	√
CDD/Administrator for OpenVMS Systems	1.3	Sep 94	Oct–Mar 95	√	√	
CDD/Repository for OpenVMS Systems	5.4	Sep 94	Oct–Mar 95	√	√	
DBA Workcenter	1.0	Nov 94	Jan–Jun 95	√		
DEC Computer Integrated Telephony Application Interface for OpenVMS	4.0	Jun 94	Aug–Oct 94	√	√	√
DEC Data Distributor for OpenVMS VAX	6.1	Dec 94	Jan–Jun 95	√		
DEC DATATRIEVE for OpenVMS VAX	7.0	Nov 94	Jan–Jun 95	√	√	√
DEC DB Integrator for OpenVMS VAX (Development)	3.1	Jul 94	Aug–Oct 94	√		
DEC DB Integrator for OpenVMS VAX (Run-Time)	3.1	Jul 94	Aug–Oct 94	√		
DEC DB Integrator Gateway EDA/SQL	1.0	Aug 94	Oct–Mar 95	√		
DEC MAILworks Server	1.3	Aug 94	Oct–Mar 95	√	√	
DEC Notes for OpenVMS VAX Systems	4.0	Dec 94	Jan–Jun 95	√	√	√
DEC Reliable Transaction Router (RTR) for VMS (Client)	3.1	Feb 95	Apr–Aug 95	√	√	√
DEC Reliable Transaction Router (RTR) for VMS (Server)	3.1	Feb 95	Apr–Aug 95	√	√	√
DECADMIRE with Hebrew Support	2.0	Jul 94	Aug–Oct 94	√	√	√
DSM for OpenVMS VAX Systems	7.0	Aug 94	Oct–Mar 95	√		
NAS Base Server 200 for OpenVMS VAX Systems	5.0	Jun 94	Aug–Oct 94	√	√	√

[1] Consolidated Software Distribution

(continued on next page)

Table 2–2 (Cont.) Layered Products Available for OpenVMS VAX Version 6.1 After May 1994

Product	Version	Estimated Ship Date	CONDIST [1] Availability	DECnet Support		
				Ph. IV	Syn	Full
NAS Base Server 200 for OpenVMS VAX Systems	6.0	Dec 94	Jan–Jun 95	√	√	√
NAS Client 250 for OpenVMS VAX Systems	5.0	Jun 94	Aug–Oct 94	√	√	√
NAS Client 250 for OpenVMS VAX Systems	6.0	Dec 94	Jan–Jun 95	√	√	√
NAS Server 300 for DEC OSF/1 VAX Systems	5.0	Jun 94	Aug–Oct 94	√	√	√
NAS Server 300 for DEC OSF/1 VAX Systems	6.0	Dec 94	Jan–Jun 95	√	√	√
NAS Production Server 400 for OpenVMS VAX Systems	5.0	Jun 94	Aug–Oct 94	√	√	√
NAS Production Server 400 for OpenVMS VAX Systems	6.0	Dec 94	Jan–Jun 95	√	√	√
PATHWORKS DESKtop Backup Server for OpenVMS	2.0	Jun 94	Aug–Oct 94	√		
POLYCENTER Accounting Chargeback for OpenVMS	2.1	Jun 94	Aug–Oct 94	√	√	√
POLYCENTER Capacity Planner for OpenVMS	2.1	Jun 94	Aug–Oct 94	√		
POLYCENTER Media Library/Robot	1.1	Jan 95	Apr–Aug 95	√	√	√
POLYCENTER Performance Advisor for OpenVMS	2.1	Jun 94	Aug–Oct 94	√	√	√
POLYCENTER Performance Data Collector for OpenVMS	2.1	Jun 94	Aug–Oct 94	√	√	√
POLYCENTER Scheduler OpenVMS	3.0	Sep 94	Oct–Mar 95	√	√	√
POLYCENTER Security Intrusion Detector for OpenVMS	1.2	Sep 94	Oct–Mar 95	√	√	
POLYCENTER Sequential Media File System for OpenVMS VAX	1.0	Sep 94	Oct–Mar 95	√		
POLYCENTER Software Distribution	3.0	Jun 94	Aug–Oct 94	√	√	
POLYCENTER Software Distribution	3.1	Oct 94	Jan–Jun 95	√	√	√
POLYCENTER System Census for OpenVMS	1.3	Aug 94	Oct–Mar 95	√	√	
POLYCENTER System Census Agent for OpenVMS	1.3	Aug 94	Oct–Mar 95	√	√	
POLYCENTER System Census Consolidator for OpenVMS	1.3	Aug 94	Oct–Mar 95	√	√	
POLYCENTER System Census GUI for OpenVMS	1.3	Aug 94	Oct–Mar 95	√	√	
POLYCENTER System Watchdog Agent for OpenVMS	2.0	Nov 94	Jan–Jun 95	√	√	
POLYCENTER System Watchdog Consolidator for OpenVMS	2.0	Nov 94	Jan–Jun 95	√	√	
POSIX for OpenVMS VAX	2.0	Aug 94	Oct–Mar 95	√	√	√
RoamAbout Transport	3.0	Jun 94	Aug–Oct 94	√		
Storage Library System (SLS) for OpenVMS	2.4	Jun 94	Aug–Oct 94	√		
Storage Library System (SLS) for OpenVMS (ACS)	2.4	Jun 94	Aug–Oct 94	√		
Storage Library System (SLS) for OpenVMS Client	2.4	Jun 94	Aug–Oct 94	√		

[1] Consolidated Software Distribution

3

Remedial Kits for OpenVMS VAX Versions

The following notes describe remedial solutions that are available for the OpenVMS VAX operating system. Section 3.1 describes remedial kits that are included in the OpenVMS VAX Version 6.1 operating system software; Section 3.2 describes remedial kits that are *not* included in OpenVMS VAX Version 6.1, but will be available in a future release.

Digital uses Advanced Electronic Support (AES) tools to make ECO kits available on line. The exact tools used will vary by geography. To obtain more information about the tools available, contact your support channel. The AES tools used to make CSCPAT ECO kits available on line also contain information on contents and changes in the latest kits.

Each remedial kit described here has two reference numbers. The first number is for Digital internal tracking purposes. The second number, CSCPAT_*nnnn*, is often used by support channels or as reference within an AES tool. The *nnnn* designates the ECO kit number. To obtain a kit, contact your support channel.

Please note that CSCPAT ECO kits are usually cumulative images that are revised or updated when new, individual point fixes are created by Digital. Because Digital continually updates existing kits and creates new ECO kits, your support channel may have additional or revised kits available for problems reported after this manual is published.

3.1 Remedial Kits Included in OpenVMS VAX Version 6.1

This section describes remedial kits that are included in OpenVMS VAX Version 6.1. See Section 3.2 for remedial kits that will be available in a future release.

3.1.1 Remedial Kit VAXMOTF02_011 (CSCPAT_1082)

This kit supplies the following new files:

- SYS$LIBRARY:DECW$LOGINOUT.EXE
- SYS$MESSAGE:DECW$LOGINMSG.EXE
- SYS$SYSTEM:DECW$MESSAGEPANEL.EXE
- SYS$SYSTEM:DECW$PAUSESESSION.EXE
- SYS$SYSTEM:DECW$ENDSESSION.EXE
- SYS$SYSTEM:DECW$TERMINAL.EXE
- SYS$MESSAGE:DECW$TERMINALMSG.EXE
- SYS$LIBRARY:DECW$TERMINALSHR.EXE
- SYS$SYSTEM:DECW$TERMINAL_CREATE.EXE
- SYS$LIBRARY:DECW$MAILSHR.EXE
- SYS$SYSTEM:DECW$WAITFORSM.EXE

- SYS$LIBRARY:VUE$MASTERSHR.EXE
- SYS$LIBRARY:DECW$XLIBSHR.EXE
- SYS$MANAGER:DECW$STARTAPPS.COM
- SYS$MANAGER:DECW$STARTUP.COM
- DECW$SYSTEM_DEFAULTS:DECW$MESSAGEPANEL.UID
- DECW$MESSAGEPANEL_CS_CZ.UID
- DECW$MESSAGEPANEL_DE_DE.UID
- DECW$MESSAGEPANEL_ES_ES.UID
- DECW$MESSAGEPANEL_FR_FR.UID
- DECW$MESSAGEPANEL_HU_HU.UID
- DECW$MESSAGEPANEL_IT_IT.UID
- DECW$MESSAGEPANEL_PL_PL.UID
- DECW$MESSAGEPANEL_RU_RU.UID
- DECW$MESSAGEPANEL_SK_SQ.UID
- DECW$MESSAGEPANEL_SV_SE.UID

This kit corrects the following login problems:

- On some processors, the DECW$LOGINOUT process died with a reserved addressing fault after you entered a bad password.
- The DECW$LOGINOUT process died with an access violation when you entered an illegal qualifier, such as /table or /cli, after your user name.
- When you logged in after restarting DECwindows, a second login box appeared while the Session Manager was running.
- If DECW$LOGINOUT died because of a system error, such as an access violation, it writes the stack traceback information to its log file as an aid in debugging.

This kit corrects the following Session Manager and FileView problems:

- You occasionally saw "Device not ready" errors on some CPU systems when you attempted to start applications automatically.
- Memory and profile file corruption problems caused FileView and the Session Manager to crash.
- A problem in Print Cancel caused unwanted task output boxes to appear, with the output of the form "EN_US".
- In some cases, the exception handler, which writes traceback information to the DECW$SM.LOG file, would die with an access violation.
- The DECwindows Motif Version 1.1 Message Window consumed large amounts of memory as it displayed messages and would eventually die since it did not free this memory.

  The Message Window buffered incoming messages before displaying them, which caused performance degradation.
- If you quit out of the Message Window and then restarted it, the Message Window did not work or would no longer display messages.

- The Message Window would die with an access violation when displaying certain long messages, causing the Session Manager to exit.
- If you ran DECW$ENDSESSION as a standalone program instead of from the Session Manager and clicked on Help in the confirmation box, help would not be displayed. Instead, an error message would be written to SYS$OUTPUT.
- When you paused and unpaused the session, a channel was left open to the SYSUAF.DAT file. This prevented you from using SNAPSHOT to boot the system. The channel to SYSUAF.DAT is now closed when the user unpauses the session.

The DECterm startup mechanism has been redesigned and is more reliable. In addition, this kit corrects the following DECterm problems:

- A problem occurred with ANSI color text in a DECterm when the reverse character rendition had been selected.
- DECterm prompted you for a user name when you pressed the return key before the process running in the DECterm window was ready.
- DECterm positioned itself off of the screen when the initial number of rows was too large.
- DECterm left the display scrolled by one line, as if the up arrow key had been hit in the scroll bar region.
- DECterm sent a secondary ID device code of 55 instead of the correct code of 28.
- A national keyboard problem that concerned setting group GR to 1 occurred.
- Reverse ANSI color text was not handled properly.
- On a VT52, cursor positioning was a problem. The problem had been introduced in Motif Version 1.1.
- Limited support for the ReGIS input cursor has been added.
- A ReGIS problem occurred where some files were displayed upside down.
- Sixel problems caused DECterm to crash or display the file incorrectly.
- The comma key sent either ",," or "<,". The key now works correctly on all keyboards.
- After you used TPU, the <X] key was reset to delete.
- Support has been added for treating F1 to F5 as normal function keys, as on the VT420. This support must be enabled with the following escape sequence:

  ```
  CSI fkey ; function * }
  ```

  There can be several *fkey ; function* pairs. Fkey and function pairs are decimal numbers with the following values:

Fkey	Meaning
0	Change F1 to F5
1	Change F1
2	Change F2
3	Change F3
4	Change F4

Note

For security reasons, F5 on the VT420 can be changed only through the user interface, since F5 is used as the break key.

Function	Meaning
0	Factory default (equivalent to 1)
1	Local function (for example, F1 is Hold Screen)
2	Send escape sequence or UDK
3	Disable the key

Escape sequences and UDKs follow the same pattern as for F60—F20; for example, the escape sequence when the user presses F1 is CSI 11 ~.

- DECterm uses a predetermined file name when printing to a queue and then deletes this file. You no longer need to supply a file name.
- DECterm windows would disappear when you executed a command that resulted in non-national characters being printed to the screen and "Print National Characters Only" had been selected.
- Copy and Paste problems occurred when one DECterm window is occluded by another. Copy and Paste are now more robust.
- Icon size is now set correctly if a non-standard size is chosen, and DECterm will no longer override user-supplied icon bitmaps as long as the icon size is not changed.

This kit corrects the following DECwindows Mail problems:

- Memory corruption problems caused Mail to crash.
- When mail was sent to a logical name with a recursive definition, a looping problem occurred.

The following problems have been addressed in the VAXMOTF01_011 kit:

- Memory leaks occurred in XDrawImageString( ) in module XIMTEXT.C
- XIfEvent( ) breaks down the event queue due to an uninitialized variable.
- An uninitialized variable in XTranslateKeySym( ) caused problems in XLookupString( ). Because of this, XLookupString did not always handle a Ctrl/*n* key sequence correctly.
- There are three problems related to the "multiple login" check performed by DECW$LOGINOUT.EXE during startup. If any other clients have a connection to the X display server, DECW$LOGINOUT.EXE will exit with status 00000000, with no information written to its log file, and will not restart itself.
  - Occasionally no login box appears after running DECW$ENDSESSION.EXE or ending the session while there are two Session Managers running.

    This is caused by a race condition between two processes each running DECW$LOGINOUT.EXE; each process sees the other and exits. The solution is to use a root window property to ensure that only one login box is put up instead of counting clients.

  - Occasionally no login box will appear after rebooting.

    If DECW$LOGINOUT.EXE cannot open the display to perform its multiple login check, it behaves as if the multiple login check failed; that is, it exits with status 00000000 and does not restart. This causes a race condition with the server; the server may not be able to accept connections. The solution is to wait 20 seconds, start a new DECW$LOGINOUT.EXE process, and then exit with status status X$_CANTOPEN (02DB8202).

  - DECW$LOGINOUT.EXE exits with status 00000000 and with no information written to its log file.

    To correct this problem and provide additional information to help you debug problems, DECW$LOGINOUT.EXE will write additional information to its log file and will exit with status codes defined in a new message file, DECW$LOGINMSG.EXE, as well as message codes from other facilities.

- ACCVIO errors from Motif might occur. These were caused by an erroneous compound string.

3.1.2 Remedial Kit VAXSYS04_060 (CSCPAT_1113)

This kit supersedes kit VAXSYS03_060 described in Section A.1.8 of the *OpenVMS VAX Version 6.1 Release Notes*. This kit supplies the following new images:

- [SYSEXE]AUDIT_SERVER.EXE
- [SYS$LDR]SECURITY.EXE
- [SYS$LDR]IO_ROUTINES.EXE

These new images correct the following problems:

- A problem that has shown up in two ways, with tapes served in a cluster:
  - If discretionary access does not allow the audit server process access to the device, the profile cannot be changed.
  - If the object server is available (though it had been started at least once), the ORB$V_TRANSITION flag is set and not cleared. In this case, only BYPASS privilege allows access to the device. This prevents a profile change as noted in the previous problem. The profile change, once allowed, must clear the TRANSITION flag.
- Cluster object profile resolution can fail for tape devices when $ASSIGN fails with a SS$_NOPRIV error.

3.2 Remedial Kits Not Included in OpenVMS VAX Version 6.1

The following sections describe remedial kits that are *not* included in OpenVMS VAX Version 6.1, but will be available in a future release. To obtain a kit, contact your support channel. See Section 3.1 for remedial kits that are included in OpenVMS VAX Version 6.1.

3.2.1 Remedial Kit VAXDUP01_060 (CSCPAT_1125)

This kit supplies a new [SYS$LDR]FYDRIVER.EXE image. The new image corrects a problem where a system crash occurred after you had connected to an HSJ40 by using the following command:

```
$ SET HOST/DUP/SERVER=MSCP$DUP/TASK=CLI   HSJ04
```

The crash occurred while you were looking at different disk configurations and parameter settings.

Reboot your system after installing this kit. If you have other nodes in your VAXcluster, they should be rebooted in order to make use of the new images.

3.2.2 Remedial Kit VAXSHAD02_060 (CSCPAT_1116)

This kit supersedes the VAXSHAD01_060 kit (CSCPAT_1116) described in the *OpenVMS VAX Version 6.1 Release Notes* and replaces the [SYS$LDR]SHDRIVER.EXE and [SYSEXE]SHADOW_SERVER.EXE images. In addition to the corrections noted in the description of the VAXSHAD01_060 kit, this kit fixes the problem where a SHADDETINCON occurred because the wrong GPR was used when an unlikely system address was stored in the IRP. The code that was tested did not contain the mask and therefore is perfectly valid. The unlikely pattern was a suggestion that was incorrectly implemented.

3.2.3 Remedial Kit VAXDDTM*nn_nnn* (CSCPAT_1132)

This kit supplies a new [SYS$LDR]SYS$TRANSACTION_SERVICES.EXE image. (The engineering number for VAXDDTM*nn_nnn* is unknown as this document goes to print. As usual, order this kit using the CSCPAT number.)

Apply the kit to the following versions of the operating system:

- OpenVMS VAX Version 6.1
- OpenVMS VAX Version 6.0
- OpenVMS VAX Version 5.5–2

Reboot all the nodes in your VMScluster after installing the kit.

The new image corrects the problem of transactions failing if a node name in a transaction group is identical to the initial character or characters of a longer node name. For example, without the remedial kit, transactions could fail if a transaction group contained the following nodes:

BLUE:: and BLUE2::
BLU:: and BLUE2::
BL:: and BLUE2::
B:: and BLUE2::

For more information about transaction groups, refer to the *OpenVMS VAX Version 6.1 Release Notes*.

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